

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: PORTFOLIO

Report Number: P1306902

Luminaire Tested: LDSQA3D05R659024DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1306902
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-68)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R659024DE010 3LSQCA30R 1MW
Description: 3in Adjustable LED luminaire with, R65 optic, 2400K CCT AND, 90CRI , 3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

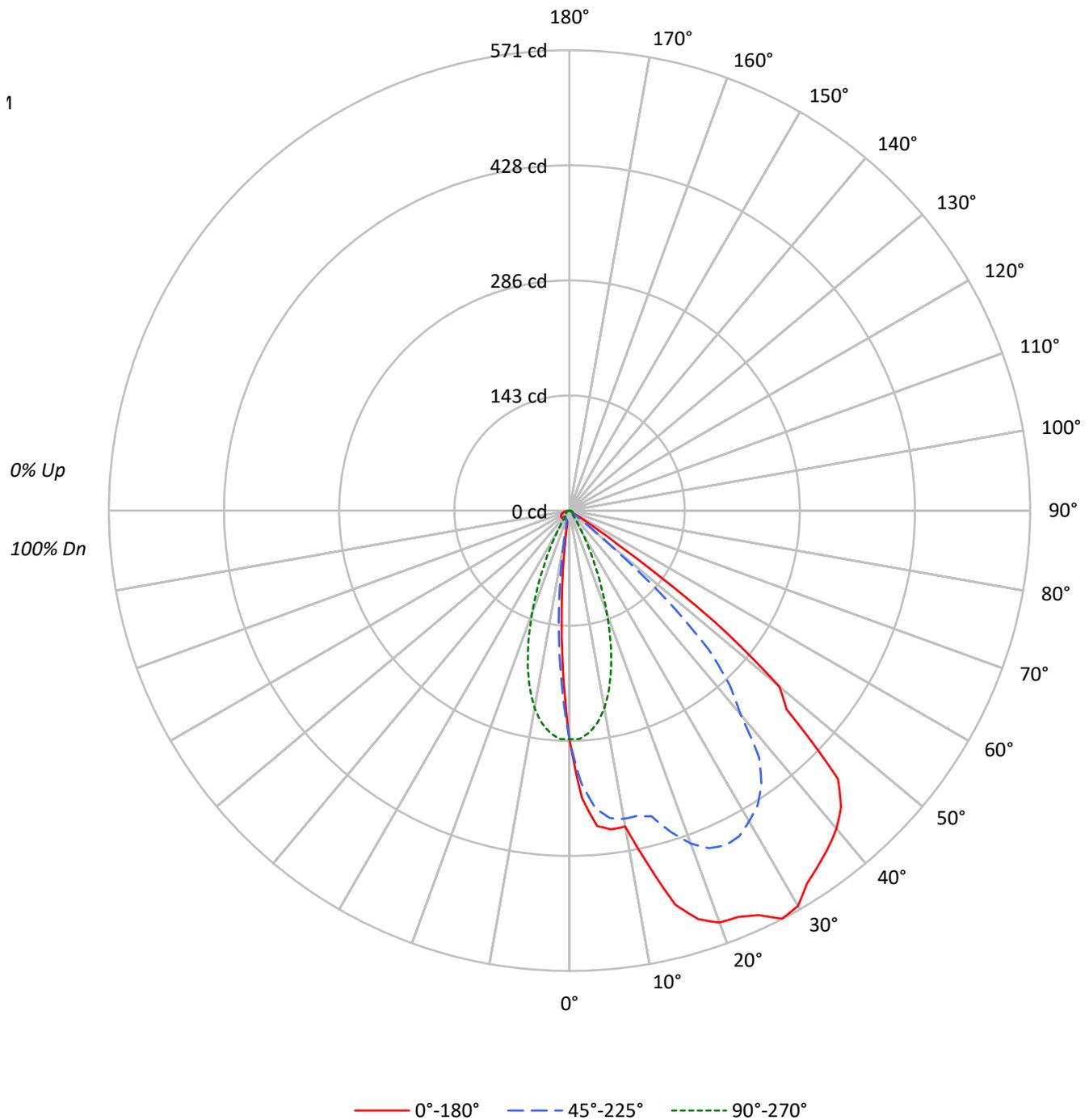
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 425.0 lumens
Efficiency: N/A
Efficacy: 59.0 lumens/watt
Spacing Criteria (0/90/45): 1.47 / 0.64 / 1.22
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

TEST NUMBER: P1306902
CATALOG NUMBER: LDSQA3D05R659024DE010 3LSQCA30R 1MW

Luminous Intensity Polar Plot





TEST NUMBER: P1306902

CATALOG NUMBER: LDSQA3D05R659024DE010 3LSQCA30R 1MW

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20			
RC	80				70				50				30				10		0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	100	
1	112	109	106	103	110	106	104	101	102	100	98	99	97	95	95	94	92	95	90	
2	105	99	94	90	102	97	92	88	94	90	87	91	87	85	88	85	83	88	81	
3	98	90	84	79	96	88	83	78	86	81	77	83	79	75	81	77	74	81	72	
4	91	82	75	70	89	81	74	69	78	73	68	76	71	67	74	70	67	74	65	
5	85	75	67	62	83	74	67	62	72	66	61	70	65	61	68	64	60	68	58	
6	79	68	61	56	78	68	61	56	66	60	55	64	59	55	63	58	54	63	53	
7	74	63	56	50	73	62	55	50	61	54	50	59	54	50	58	53	49	58	48	
8	70	58	51	46	68	57	50	46	56	50	45	55	49	45	54	49	45	54	43	
9	65	54	47	42	64	53	46	42	52	46	41	51	45	41	50	45	41	50	40	
10	62	50	43	38	60	49	43	38	48	42	38	48	42	38	47	42	38	47	36	

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	48825	48825	48825	48825	48825
5°	67873	64070	47801	26261	18481
10°	69585	67888	43493	7345	2711
15°	90165	70000	35588	2354	2282
20°	99647	80550	24761	2108	2181
25°	105161	87032	14024	2014	2185
30°	112598	88535	6324	2028	2287
35°	113007	87189	2039	2144	2502
40°	115783	74078	1394	2293	2788
45°	114668	59696	1388	2484	3020
50°	90989	14093	1420	2733	3430
55°	21619	781	1471	3063	3843
60°	758	896	1688	3203	4099
65°	897	897	1630	3423	4483
70°	655	906	1561	3323	4683
75°	599	865	1464	3527	4724
80°	397	893	1785	3471	4860
85°	790	1778	1778	3557	4347

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 10°
 Vertical Angle: 45°
 Luminance: 114887 cd/sqm



TEST NUMBER: P1306902

CATALOG NUMBER: LDSQA3D05R659024DE010 3LSQCA30R 1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	23.7	5.6
10°-20°	62.3	14.7
20°-30°	97.9	23.0
30°-40°	112.0	26.4
40°-50°	90.0	21.2
50°-60°	29.3	6.9
60°-70°	5.2	1.2
70°-80°	3.4	0.8
80°-90°	1.2	0.3
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	183.9	43.3
0°-40°	295.9	69.6
0°-60°	415.1	97.7
0°-90°	425.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	425.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	284	284	284	284	284	
5°	393	371	276	152	107	37
15°	506	393	200	13	13	141
25°	553	458	74	11	12	258
35°	538	415	10	10	12	338
45°	471	245	6	10	12	339
55°	72	3	5	10	13	103
65°	2	2	4	8	11	2
75°	1	1	2	5	7	1
85°	0	1	1	2	2	0
90°	0	0	0	0	0	



TEST NUMBER: P1306902

CATALOG NUMBER: LDSQA3D05R659024DE010 3LSQCA30R 1MW

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	283.5	283.5	283.5	283.5	283.5	283.5	283.5	283.5	283.5	283.5	283.5
2.5°	356.9	355.5	357.3	354.2	353.8	350.7	348.9	348.0	344.1	338.8	333.9
5°	392.6	387.3	388.7	388.2	386.0	384.7	382.9	380.7	375.4	370.6	364.4
7.5°	398.8	394.4	395.3	395.7	394.4	394.0	393.5	392.6	389.1	384.7	379.4
10°	397.9	393.5	393.1	391.8	390.4	390.9	390.9	390.9	390.0	388.2	386.5
12.5°	449.2	443.0	441.7	432.4	424.0	409.4	400.1	391.3	387.3	387.8	386.5
15°	505.7	505.3	500.8	492.0	477.9	464.6	443.4	427.5	407.2	392.6	386.5
17.5°	531.3	530.9	526.9	519.4	509.2	496.9	481.4	462.9	440.3	417.8	399.3
20°	543.7	546.8	542.4	536.2	526.5	515.0	500.4	483.6	462.4	439.5	417.4
22.5°	545.5	549.4	545.5	541.0	534.0	526.5	514.1	496.9	475.2	453.1	431.5
25°	553.4	554.7	546.3	540.6	534.0	528.7	519.0	503.9	481.9	458.0	436.8
27.5°	570.6	564.9	547.2	539.3	533.1	528.2	519.0	503.5	479.6	455.4	433.3
30°	566.2	564.0	548.5	541.0	535.7	530.9	519.4	499.5	470.8	445.2	422.2
32.5°	548.1	552.5	547.2	544.6	541.9	535.7	519.0	492.0	459.8	433.7	402.8
35°	537.5	542.8	543.2	543.2	540.2	530.9	511.0	481.0	448.7	414.7	373.2
37.5°	526.9	531.3	534.0	535.7	531.3	518.1	492.9	466.0	430.6	386.0	313.1
40°	515.0	518.1	520.3	521.2	514.5	497.3	474.3	443.9	404.1	329.5	279.6
42.5°	498.2	500.0	499.5	499.1	492.0	473.0	451.4	419.6	341.0	293.7	233.2
45°	470.8	469.0	471.7	471.7	462.4	448.3	419.6	357.7	305.2	245.1	150.2
47.5°	364.8	366.1	378.9	399.7	412.5	408.5	369.7	313.1	256.6	160.8	49.9
50°	339.6	338.3	338.8	341.0	342.3	331.2	303.4	264.6	169.6	52.6	3.5
52.5°	227.9	229.2	239.4	262.8	270.3	262.3	235.8	176.7	61.8	3.5	3.1
55°	72.0	76.8	82.6	95.0	116.6	130.3	127.6	62.7	4.0	2.6	3.1
57.5°	2.6	2.6	3.5	6.2	11.9	19.4	20.3	4.0	3.1	3.1	3.1
60°	2.2	2.2	2.2	2.2	2.2	2.2	2.6	2.6	2.6	2.6	2.6
62.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.6	2.6	2.6	2.6
65°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.6
67.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	2.2	2.2	2.2	2.2
70°	1.3	1.3	1.3	1.8	1.8	1.8	1.8	1.8	1.8	1.8	2.2
72.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.8	1.8	1.8
75°	0.9	0.9	0.9	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
77.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.3	1.3	1.3
80°	0.4	0.4	0.4	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.3
82.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.9	0.9	0.9
85°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.9	0.9
87.5°	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.4	0.4	0.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P1306902

CATALOG NUMBER: LDSQA3D05R659024DE010 3LSQCA30R 1MW

CANDELA DISTRIBUTION (continued):

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	283.5	283.5	283.5	283.5	283.5	283.5	283.5	283.5
2.5°	331.2	325.9	315.3	283.5	250.4	217.3	196.5	191.2
5°	357.3	351.1	336.1	276.5	209.3	151.9	119.2	106.9
7.5°	373.2	365.7	348.0	265.4	163.0	88.3	53.0	42.4
10°	380.3	373.6	353.8	248.7	117.9	42.0	18.5	15.5
12.5°	383.4	378.1	356.0	226.6	76.8	18.5	13.7	13.2
15°	384.7	378.9	355.1	199.6	43.7	13.2	12.8	12.8
17.5°	386.0	379.4	349.8	168.7	24.3	12.4	11.9	12.4
20°	396.6	377.6	340.5	135.1	15.9	11.5	11.5	11.9
22.5°	407.2	377.2	324.2	103.3	12.4	11.0	11.5	11.5
25°	410.7	372.8	303.4	73.8	10.6	10.6	11.0	11.5
27.5°	404.1	360.0	275.6	49.9	9.3	10.6	11.0	11.5
30°	388.7	338.3	242.0	31.8	8.8	10.2	11.0	11.5
32.5°	360.0	295.5	204.5	19.0	8.4	10.2	11.5	11.5
35°	302.5	247.8	162.1	9.7	8.4	10.2	11.5	11.9
37.5°	264.6	206.7	113.1	6.6	8.4	10.2	11.5	11.9
40°	219.5	149.3	47.3	6.2	8.4	10.2	11.5	12.4
42.5°	151.9	64.9	7.5	5.7	7.9	10.2	11.9	12.4
45°	54.8	8.4	3.5	5.7	7.9	10.2	11.9	12.4
47.5°	4.9	3.1	3.5	5.7	7.9	10.2	11.9	12.8
50°	3.1	3.1	3.1	5.3	7.9	10.2	11.9	12.8
52.5°	3.1	3.1	3.1	5.3	7.5	10.2	12.4	12.8
55°	3.1	3.1	3.1	4.9	7.5	10.2	11.9	12.8
57.5°	3.1	3.1	3.5	4.9	7.5	9.7	11.9	12.4
60°	3.1	3.1	3.1	4.9	7.1	9.3	11.5	11.9
62.5°	2.6	3.1	3.1	4.4	6.6	8.8	11.0	11.5
65°	2.6	2.6	3.1	4.0	6.2	8.4	10.2	11.0
67.5°	2.2	2.6	2.6	3.5	5.3	7.5	9.3	10.2
70°	2.2	2.2	2.2	3.1	4.9	6.6	8.8	9.3
72.5°	1.8	2.2	2.2	2.6	4.0	5.7	7.5	8.4
75°	1.8	1.8	1.8	2.2	3.5	5.3	6.6	7.1
77.5°	1.3	1.3	1.8	1.8	3.1	4.0	5.7	6.2
80°	1.3	1.3	1.3	1.8	2.2	3.5	4.4	4.9
82.5°	0.9	0.9	0.9	1.3	1.8	2.2	3.1	3.5
85°	0.9	0.9	0.9	0.9	1.3	1.8	2.2	2.2
87.5°	0.4	0.4	0.4	0.9	0.9	0.9	0.9	0.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)